

## RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.

Application Serial Number: 10/748,354  
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## RAW SEQUENCE LISTING

DATE: 02/07/2005

PATENT APPLICATION: US/10/748,354

TIME: 08:38:57

Input Set : A:\Transgenic myocardial model.ST25.txt

Output Set: N:\CRF4\02072005\J748354.raw

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3 <110> APPLICANT: MOSS, Richard L.
4     SANT'ANA PEREIRA, Jose A. A.
6 <120> TITLE OF INVENTION: Transgenic model for myocardial function
8 <130> FILE REFERENCE: 054030-0045
10 <140> CURRENT APPLICATION NUMBER: 10/748,354
11 <141> CURRENT FILING DATE: 2003-12-30
13 <160> NUMBER OF SEQ ID NOS: 33
15 <170> SOFTWARE: PatentIn version 3.3
17 <210> SEQ ID NO: 1
18 <211> LENGTH: 10
19 <212> TYPE: PRT
20 <213> ORGANISM: Mus musculus
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25 1           5           10
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29 <211> LENGTH: 10
30 <212> TYPE: PRT
31 <213> ORGANISM: Mus musculus
33 <400> SEQUENCE: 2
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36 1           5           10
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40 <211> LENGTH: 64
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42 <213> ORGANISM: Mus musculus
44 <400> SEQUENCE: 3
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47 gagg                                     64
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51 <211> LENGTH: 21
52 <212> TYPE: PRT
53 <213> ORGANISM: Mus musculus
55 <400> SEQUENCE: 4
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61 Lys Gly Thr Leu Glu
62           20
65 <210> SEQ ID NO: 5
66 <211> LENGTH: 61
67 <212> TYPE: DNA
68 <213> ORGANISM: Sus sp.
70 <400> SEQUENCE: 5

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71 attgctgccca ttggggaccg cagcaagaag gaccagaccc caggcaaggg caccttgga 60
73 g 61
76 <210> SEQ ID NO: 6
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78 <212> TYPE: PRT
79 <213> ORGANISM: Sus sp.
81 <400> SEQUENCE: 6
83 Ile Ala Ala Ile Gly Asp Arg Ser Lys Lys Asp Gln Thr Pro Gly Lys
84 1 5 10 15
87 Gly Thr Leu Glu
88 20
91 <210> SEQ ID NO: 7
92 <211> LENGTH: 70
93 <212> TYPE: DNA
94 <213> ORGANISM: Mus musculus
96 <400> SEQUENCE: 7
97 gcattgcagc cataggcgat cgtagcaaga aggaccagac cccaggcaag gtgagtgtgg 60
99 gtcataggct 70
102 <210> SEQ ID NO: 8
103 <211> LENGTH: 17
104 <212> TYPE: PRT
105 <213> ORGANISM: Gallus sp.
107 <400> SEQUENCE: 8
109 Glu Lys Lys Lys Glu Glu Gln Ser Gly Lys Met Gln Gly Thr Leu Glu
110 1 5 10 15
113 Asp
117 <210> SEQ ID NO: 9
118 <211> LENGTH: 18
119 <212> TYPE: PRT
120 <213> ORGANISM: Homo sapiens/Sus sp.
122 <400> SEQUENCE: 9
124 Glu Lys Lys Lys Glu Glu Pro Thr Ser Gly Lys Met Gln Gly Thr Leu
125 1 5 10 15
128 Glu Asp
132 <210> SEQ ID NO: 10
133 <211> LENGTH: 18
134 <212> TYPE: PRT
135 <213> ORGANISM: Homo sapiens
137 <400> SEQUENCE: 10
139 Glu Lys Lys Lys Glu Glu Val Thr Ser Gly Lys Met Gln Gly Thr Leu
140 1 5 10 15
143 Glu Asp
147 <210> SEQ ID NO: 11
148 <211> LENGTH: 18
149 <212> TYPE: PRT
150 <213> ORGANISM: Sylvilagus sp.
152 <400> SEQUENCE: 11
154 Asp Lys Lys Lys Glu Glu Ala Thr Ser Gly Lys Met Gln Gly Thr Leu
155 1 5 10 15

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158 Glu Asp
162 <210> SEQ ID NO: 12
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164 <212> TYPE: PRT
165 <213> ORGANISM: Sylvilagus sp.
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170 1 5 10 15
173 Glu Asp
177 <210> SEQ ID NO: 13
178 <211> LENGTH: 17
179 <212> TYPE: PRT
180 <213> ORGANISM: Homo sapiens
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188 Asp
192 <210> SEQ ID NO: 14
193 <211> LENGTH: 17
194 <212> TYPE: PRT
195 <213> ORGANISM: Rattus norvegicus
197 <400> SEQUENCE: 14
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200 1 5 10 15
203 Asp
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208 <211> LENGTH: 17
209 <212> TYPE: PRT
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212 <400> SEQUENCE: 15
214 Asp Arg Ser Lys Lys Glu Asn Pro Asn Ala Asn Lys Gly Thr Leu Glu
215 1 5 10 15
218 Asp
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223 <211> LENGTH: 16
224 <212> TYPE: PRT
225 <213> ORGANISM: Homo sapiens
227 <400> SEQUENCE: 16
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230 1 5 10 15
233 <210> SEQ ID NO: 17
234 <211> LENGTH: 16
235 <212> TYPE: PRT
236 <213> ORGANISM: Sus sp.
238 <400> SEQUENCE: 17
240 Asp Arg Ser Lys Lys Asp Gln Thr Pro Gly Lys Gly Thr Leu Glu Asp
241 1 5 10 15
244 <210> SEQ ID NO: 18
245 <211> LENGTH: 16

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246 <212> TYPE: PRT
247 <213> ORGANISM: Rattus norvegicus
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256 <211> LENGTH: 40
257 <212> TYPE: PRT
258 <213> ORGANISM: Gallus gallus
260 <400> SEQUENCE: 19
262 Ser Glu Gly Glu Ile Thr Val Pro Ser Ile Asp Asp Gln Glu Glu Leu
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266 Met Ala Thr Asp Ser Ala Ile Asp Ile Leu Gly Phe Ser Ala Asp Glu
267 20 25 30
270 Thr Ala Ile Tyr Leu Thr Gly Ala
271 35 40
274 <210> SEQ ID NO: 20
275 <211> LENGTH: 42
276 <212> TYPE: PRT
277 <213> ORGANISM: Rattus norvegicus
279 <400> SEQUENCE: 20
281 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ser Glu Glu His
282 1 5 10 15
285 Met Ala Thr Asp Ser Ala Phe Asp Val Leu Gly Phe Thr Pro Glu Glu
286 20 25 30
289 Lys Asn Ser Ile Tyr Lys Leu Thr Gly Ala
290 35 40
293 <210> SEQ ID NO: 21
294 <211> LENGTH: 40
295 <212> TYPE: PRT
296 <213> ORGANISM: Homo sapiens
298 <400> SEQUENCE: 21
300 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ala Glu Glu Leu
301 1 5 10 15
304 Met Ala Thr Asp Asn Ala Phe Asp Val Leu Gly Phe Thr Ser Glu Glu
305 20 25 30
308 Asn Ser Met Tyr Leu Thr Gly Ala
309 35 40
312 <210> SEQ ID NO: 22
313 <211> LENGTH: 40
314 <212> TYPE: PRT
315 <213> ORGANISM: Sus sp.
317 <400> SEQUENCE: 22
319 Ser Gln Gly Glu Thr Thr Val Ala Ser Ile Asp Asp Ala Glu Glu Leu
320 1 5 10 15
323 Met Ala Thr Asp Asn Ala Phe Asp Val Leu Gly Phe Thr Ser Glu Glu
324 20 25 30
327 Asn Ser Met Tyr Leu Thr Gly Ala
328 35 40

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Input Set : A:\Transgenic myocardial model.ST25.txt

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331 <210> SEQ ID NO: 23
332 <211> LENGTH: 40
333 <212> TYPE: PRT
334 <213> ORGANISM: Rattus norvegicus
336 <400> SEQUENCE: 23
338 Ser Gln Gly Glu Val Ser Val Ala Ser Ile Asp Asp Ser Glu Glu Leu
339 1 5 10 15
342 Leu Ala Thr Asp Ser Ala Phe Asp Val Leu Gly Phe Thr Ala Glu Glu
343 20 25 30
346 Ala Gly Val Tyr Leu Thr Gly Ala
347 35 40
350 <210> SEQ ID NO: 24
351 <211> LENGTH: 40
352 <212> TYPE: PRT
353 <213> ORGANISM: Mus musculus
355 <400> SEQUENCE: 24
357 Ser Gln Gly Glu Val Ser Val Ala Ser Ile Asp Asp Ser Glu Glu Leu
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361 Leu Ala Thr Asp Ser Ala Phe Asp Val Leu Ser Phe Thr Ala Glu Glu
362 20 25 30
365 Ala Gly Val Tyr Leu Thr Gly Ala
366 35 40
369 <210> SEQ ID NO: 25
370 <211> LENGTH: 41
371 <212> TYPE: PRT
372 <213> ORGANISM: Sylvilagus sp.
374 <400> SEQUENCE: 25
376 Ser Glu Gly Glu Ile Thr Val Pro Ser Ile Asp Asp Ser Glu Glu Leu
377 1 5 10 15
380 Met Ala Thr Asp Ser Ala Ile Asp Ile Leu Gly Phe Thr Ser Asp Glu
381 20 25 30
384 Arg Val Ser Ile Tyr Leu Thr Gly Ala
385 35 40
388 <210> SEQ ID NO: 26
389 <211> LENGTH: 13
390 <212> TYPE: PRT
391 <213> ORGANISM: Mus musculus
393 <400> SEQUENCE: 26
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396 1 5 10
399 <210> SEQ ID NO: 27
400 <211> LENGTH: 13
401 <212> TYPE: PRT
402 <213> ORGANISM: Sus sp.
404 <400> SEQUENCE: 27
406 Ala Ser Ile Asp Asp Ser Glu Glu Leu Met Ala Thr Asp
407 1 5 10
410 <210> SEQ ID NO: 28
411 <211> LENGTH: 13

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**VERIFICATION SUMMARY**

DATE: 02/07/2005

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Input Set : A:\Transgenic myocardial model.ST25.txt

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